

**EAST Search History****EAST Search History (Prior Art)**

<b>Ref #</b>	<b>Hits</b>	<b>Search Query</b>	<b>DBs</b>	<b>Default Operator</b>	<b>Plurals</b>	<b>Time Stamp</b>
L16	259134	hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L17	16399	papilla\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L18	626	L17 near L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L19	101937	epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L20	19247	dermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L21	1840	L17 and L20 and L16 and L19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L22	201	L21 and L18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L23	1	"10574697"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L24	243	L17 near L19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L25	3	L22 and L24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51

L26	236228	"435".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L27	19150	hair and epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L28	4088	L26 and dermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L29	3459	L28 and epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L30	1584	L29 and papil\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L31	632	papil\$ near hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L32	626	papilla\$ near hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L33	993	L29 and papilla\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L34	57	L33 and L32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L35	17500	L27	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L36	6832	L35 and follicle	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L37	1581	L17 with L19	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L38	481	L36 and L37	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L39	11	"5851831"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51

L40	2047	L36 and L17	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L41	1	"6773881".pn.	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L42	259134	hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L43	16399	papilla\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L44	626	L43 near L42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L45	101937	epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L46	19247	dermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L47	1840	L43 and L46 and L42 and L45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L48	201	L47 and L44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L49	1	"10574697"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L50	243	L43 near L45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L51	3	L48 and L50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L52	236228	"435".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51

L53	19150	hair and epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L54	4088	L52 and dermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L55	3459	L54 and epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L56	1584	L55 and papil\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L57	632	papil\$ near hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L58	626	papilla\$ near hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L59	993	L55 and papilla\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L60	57	L59 and L58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L61	17500	L53	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L62	6832	L61 and follicle	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L63	1581	L43 with L45	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L64	481	L62 and L63	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L65	11	"5851831"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L66	2047	L62 and L43	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51

L67	1	"6773881".pn.	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51
L68	886528	skin or hair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L69	16312	collagenase and L68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L70	11342	(cryo\$ or nitrogen or freeze) and L69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L71	11184	(rat human mouse murine rodent mammal) and L70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L72	842	"dermal papilla"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L73	131	L71 and L72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L74	379620	("424" "435").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L75	91	L73 and L74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L76	0	skin papilla\$ epiderm\$ (nitrogen or cryo\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	NEAR	ON	2009/12/21 14:51
L77	3722	skin papilla\$ epiderm\$ (nitrogen or cryo\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2009/12/21 14:51
L78	202	skin papilla\$ near3 epiderm\$ (nitrogen or cryo\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2009/12/21 14:51

L79	201	skin papilla\$ near3 epiderm\$ (nitrogen or cryo\$)	US-PGPUB; USPAT	AND	ON	2009/12/21 14:51
L80	66	skin papilla\$ near3 epiderm\$ (nitrogen or cryo\$)	USPAT	AND	ON	2009/12/21 14:51
L81	0	skin papilla\$ near3 epiderm\$ near(nitrogen or cryo\$)	USPAT	AND	ON	2009/12/21 14:51
L82	1	skin papilla\$ near3 epiderm\$ with (nitrogen or cryo\$)	USPAT	AND	ON	2009/12/21 14:51
L83	196	papilla\$ near3 epiderm\$	USPAT	AND	ON	2009/12/21 14:51
L84	42	skin papilla\$ near3 epiderm\$ (nitrogen or cryo\$) and hair	USPAT	AND	ON	2009/12/21 14:51
L85	1	skin papilla\$ near3 epiderm\$ (nitrogen or cryo\$) and hair and hair near3 papilla\$	USPAT	AND	ON	2009/12/21 14:51
L86	9	papilla\$ near3 epiderm\$ (cryo\$ nitrogen) ratio	USPAT	AND	ON	2009/12/21 14:51
L87	28	papilla\$ near3 epiderm\$ (cryo\$ nitrogen) ratio	US-PGPUB; USPAT	AND	ON	2009/12/21 14:51
L88	1	papilla\$ near3 epiderm\$ with ratio	US-PGPUB; USPAT	AND	ON	2009/12/21 14:51
L89	3	papilla\$ near3 epiderm\$ with ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2009/12/21 14:51
L90	28	papilla\$ near3 epiderm\$ (cryo\$ nitrogen) ratio	US-PGPUB; USPAT	AND	ON	2009/12/21 14:51
L91	3	papilla\$ near3 epiderm\$ with ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2009/12/21 14:51
L92	27	L90 not L91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	ON	2009/12/21 14:51
L93	9	papilla\$ near3 epiderm\$ (cryo\$ nitrogen) ratio	USPAT	AND	ON	2009/12/21 14:51
L94	9	L93 not L91	USPAT	AND	ON	2009/12/21 14:51
L95	5031	skin with epidermis	USPAT	AND	ON	2009/12/21 14:51

L96	490	skin with epidermis and papilla\$3	USPAT	AND	ON	2009/12/21 14:51
L97	207	skin with epidermis and papilla\$3 and (cryo\$ or liquid nitrogen)	USPAT	AND	ON	2009/12/21 14:51
L98	16	skin with epidermis near3 papilla\$3 and (cryo\$ or liquid nitrogen)	USPAT	AND	ON	2009/12/21 14:51
L99	8	skin with epidermis near3 papilla\$3 and (cryo\$ or liquid adj nitrogen)	USPAT	AND	ON	2009/12/21 14:51
L100	0	skin with epidermis near3 papilla\$3 and (cryo\$ or liquid adj nitrogen) and collagenase	USPAT	AND	ON	2009/12/21 14:51
L101	2	skin with epidermis near3 papilla\$3 and (cryo\$ or liquid adj nitrogen) and collagen\$	USPAT	AND	ON	2009/12/21 14:51
L102	0	papilla\$ near3 collagenase	USPAT	AND	ON	2009/12/21 14:51
L103	0	papilla\$ near collagenase	USPAT	AND	ON	2009/12/21 14:51
L104	36	papilla\$ same collagenase	USPAT	AND	ON	2009/12/21 14:51
L105	300	skin near liquid nitrogen	USPAT	AND	ON	2009/12/21 14:51
L106	13	skin near "liquid nitrogen"	USPAT	AND	ON	2009/12/21 14:51
L107	0	skin near "liquid nitrogen" and papilla\$	USPAT	AND	ON	2009/12/21 14:51
L108	0	skin near "liquid nitrogen" and epidermis	USPAT	AND	ON	2009/12/21 14:51
L109	37364	papilla or epidermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L110	35061	"dermal papilla" or epidermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L111	35061	"dermal papilla\$" or epidermis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51

L112	102237	"dermal papilla\$" or epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L113	82904	("dermal papilla\$" or epiderm\$) and (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L114	6742	("dermal papilla\$" or epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L115	1	("dermal papilla\$" near epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$)	USPAT	OR	ON	2009/12/21 14:51
L116	68	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$)	USPAT	OR	ON	2009/12/21 14:51
L117	66	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) and (human mouse rat)	USPAT	OR	ON	2009/12/21 14:51
L118	46	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) and (human and (mouse mice) and (rat) rodent)	USPAT	OR	ON	2009/12/21 14:51



L119	45	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) and (human and (mouse mice) and (rat))	USPAT	OR	ON	2009/12/21 14:51
L120	17	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) and (human with (mouse mice) with (rat))	USPAT	OR	ON	2009/12/21 14:51
L121	0	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) with (human with (mouse mice) with (rat))	USPAT	OR	ON	2009/12/21 14:51
L122	3	("dermal papilla\$" and epiderm\$) near3 (hair repair\$3 regenerat\$ heal\$4 replace\$4 wound\$ patch\$3 augment\$ replacem\$4 graft\$) with (human (mouse mice) (rat))	USPAT	OR	ON	2009/12/21 14:51
L123	0	"dermal papilla" near foreskin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L124	1	"dermal papilla" near3 foreskin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L125	259	foreskin with human with epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L126	152	foreskin near3 epiderm\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/12/21 14:51
L127	144	foreskin near3 epiderm\$	US-PGPUB; USPAT	OR	ON	2009/12/21 14:51

L128	61	foreskin near3 epiderm\$	USPAT	OR	ON	2009/12/21 14:51
L129	4399	mouse near3 rat near10 rodent	USPAT	OR	ON	2009/12/21 14:51
L130	4041	mouse near2 rat near3 rodent	USPAT	OR	ON	2009/12/21 14:51
L131	26	mouse.clm. near2 rat near3 rodent	USPAT	OR	ON	2009/12/21 14:51
L132	2166	mouse adj rat near3 rodent	USPAT	OR	ON	2009/12/21 14:51
L133	2063	mouse adj rat near2 rodent	USPAT	OR	ON	2009/12/21 14:51
L134	24571	mouse adj ratadj rodent	USPAT	OR	ON	2009/12/21 14:51
L135	161	mouse adj rat adj rodent	USPAT	OR	ON	2009/12/21 14:51
L136	52	mouse adj rat adj rodent with human with mammal	USPAT	OR	ON	2009/12/21 14:51
L137	7	mouse adj rat adj rodent near5 human with mammal	USPAT	OR	ON	2009/12/21 14:51
L138	23	((JIRO) near2 (KISHIMOTO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L139	5	((RITSUKO) near2 (EHAMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L140	5	((RITSURO) near2 (IDETA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L141	62	((TAKAYUKI) near2 (ARAI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L142	7	((KIICHIRO) near2 (YANO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L143	7	((TSUTOMU) near2 (SOMA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 15:24
L144	80	((RITSUKO) near2 (EHAMA)).INV. ((TSUTOMU) near2 (SOMA)).INV. ((KIICHIRO) near2 (YANO)).INV. ((RITSURO) near2 (IDETA)).INV. ((TAKAYUKI) near2 (ARAI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 16:06
L150	19	("424" "435").clas. and 144	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 16:10

L151	5	("424" "435").clas. and 144 and papilla.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 16:11
L152	5	("424" "435").clas. and 144 and papill\$.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/21 16:11

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L145	82	((RITSUKO) near2 (EHAMA)).INV. ((TSUTOMU) near2 (SOMA)).INV. ((KIICHIRO) near2 (YANO)).INV. ((RITSURO) near2 (IDETA)).INV. ((TAKAYUKI) near2 (ARAI)).INV.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/21 16:06
L148	19	((RITSUKO) near2 (EHAMA)).INV. ((TSUTOMU) near2 (SOMA)).INV. ((KIICHIRO) near2 (YANO)).INV. ((RITSURO) near2 (IDETA)).INV. ((TAKAYUKI) near2 (ARAI)).INV. and papill\$. clm. and epiderm\$.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/21 16:08
L149	3	((RITSUKO) near2 (EHAMA)).INV. ((TSUTOMU) near2 (SOMA)).INV. ((KIICHIRO) near2 (YANO)).INV. ((RITSURO) near2 (IDETA)).INV. ((TAKAYUKI) near2 (ARAI)).INV.) and papill\$. clm. and epiderm\$.clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/21 16:08

**12/21/2009 4:11:43 PM****C:\Documents and Settings\AKOSAR1\My Documents\EAST\Workspaces\10574697-2.wsp**